25X1A

Approved Fee Release 2002/06/10 ECANEDP63-00342A000500070094-7

	00p3 <u>7002</u>	
	8 May 1963	
	MEMORANDUM FOR: Deputy Assistant Director, OSA SUBJECT: Project OXCART - Security (Foreign Object Damage to Engines 25X1A REFERENCE: 2631-63 dtd 30 Apr 63, To: DAD/OSA, Frm: C/SS/OSA, Subj: As Above	.
	25X1	Α
25X1A	1. As a result of the continued FOD problem Assistant Security Officer, OSA-DD/R, on 1-3 May 1963, conducted a review of Security procedures in effect This memorandum is to record Security actions initiated and anticipated, and to record Staff discussions held during that period.	25X1A 25X1A
25X1A	2. The conclusions reached during these discussions are: (1) FOD has been somewhat corrected by installation of screens in the bleed by-pass doors; this correction has been one of degree; (2) FOD may be considerably reduced by the installation of "flapper valves" within the nacelle are designed to eliminate damage caused by reverse airflow of secondary air experienced during ground runs; and (3) FOD is most probably attributable in some degree to laxity in the physical management of the flight test program particularly in the areas of housekeeping, aircraft maintenance and quality control inspection procedures.	a, 25X1A
	3. FOD has been a continuing problem since June 1962. (Attachment #1 records a chronological history of FOD to date.) On 2 May engine #219 experienced major FOD, after having been installed for 35 minutes in the left nacelle of Aircraft #121. Similar damage was experienced in the same nacelle on 26 April 1963 while engine #216 was	4.
		25X1A

Handle via ______ Approved For Release 2002/06/10 SECRETION 63-00313A0005000700 Christian System

Approved For Release 2002/06/10 SEA REF 63-003124000500070094-7

25X1A

	Page 2
#216 used resu ters	called. During the interim, 26 April - 3 May, engine is had been installed (on 1 May) in Aircraft #126 and as a "vacuum cleaner" without resultant FOD. As a lit of the 2 May FOD on #219 engine, Project Headquar—signification of a thorough investigation by appropriate components. The Security Staff directed to investigate the possibility of Sabotage.
spec	4. On 2 May 1963 the Chief, Security Staff/OSA, directed the Security Officer, to address 25X1A full efforts to several specific areas of concern. The cific directives and the security actions taken to date summarized as follows:
25X1A 25X1A 5X1A	a. Review access procedures to aircraft and consider maintaining access log. The Security Office has in operation a long established compartmentation system. Individuals are granted access to physical areas within the Test Site on an "as needed basis." Currently there are six (6) aircraft in place, housed in two hangars. Approximately people require access to these hangars. Access is authorized by the inclusion of a figure 1 on their security badge, which must be worn exposed at 1 times. On 2 May, the Security Officer, discussed with the Base Commander, 25X1A and discussed with the Base Commander, 25X1A and people having such access. It was unanimously agreed that present access standards are satisfactory. On 3 May it was decided that during non-working periods in the future, the Security guard assigned to the hangar area is to maintain a written log of all personnel entering the hangar.
	b. Assure that Security Personnel are constantly alert to possible Sabotage. Security personnel are periodically rebriefed on the necessity to be alert to saboteurs. As of 2 May a Security Guard will be permanently assigned, on a 24-hour-a-day basis, to each hangar. It must be realized, however, that we are dealing with hangars large enough to house three Project

25X1

25X1A

Approved For Release 2002/06/18 FGR RDP63-00342 A000500070094-7

25X1A

25X1A

25X1A

25X1A

	Aircraft. The aircraft is, in itself, large and complex; while in the hangar it is often broken down for maintenance and the interior of the hangar often gives the appearance of a titanium jungle. At any given moment one guard could attend to about one percent of the entire hangar area.
	c. Encourage reporting to Security Office by key contractor personnel and staff personnel of any disaffection and unusual conduct by subordinate employees.
5X1A	This type of reporting has been an established SOP since commenced operation. Security 25X1A Officer solicits this type of reporting during EOD 25X1 briefings. In this regard, the cooperation with the
25X1A	Security Officer has been unanimous with as consistently
25X1A	Security Officer has been unarranged to the state of the
25X1A 25X1A	Security rebriefings of personnel by Security Officer; (2) the LAC Director of Flight Test recently refused, upon request, to submit to Security Officer a copy of his critique of FOD; (3) during March—April 1963 a petition, listing several grievances con—
5X1A	April 1963 a petition, firsting solver and signed by LAC 25X1 cerning facilities and signed by LAC 25X1 union personnel, was submitted to Mr. C. L. Johnson; neither Security Officer nor Project Headquarters
X1A	was notified of the discontent.
	d. Develop sources within the work force.
·	Since LAC is the principal contractor involved, attention must be directed to that Company. Approximately 75 percent of the Contractor personnel on Site are employed by LAC, and no difficulties have been encountered with other Contractor personnel. The development of Confidential Contractor Informants is a delicate consideration; the potential labor-management conflicts resulting from such a program are somewhat prohibitive 25X1A

On 2 May, Mr. C. L. Johnson discussed with the possibility of integrating a

25X1A -2670-63

Approved For Release 2002/06/10 SEA REF63-003134000500070094-7

	CI man into the LAC work force. The extensive area of activity would be extremely difficult for one man; indeed, five men would be a mere beginning. Consequently, consideration was given to developing long term, proven employees within the LAC group who have been formerly associated with this Agency.
	Development of these employees is, again, a delicate situation. Labor-management implications are serious. Consequently, the undersigned requested
25X1/	A To date has, on an informal basis, developed three members of the LAC work force for this purpose.
ı	e. Review Security files of personnel having access
	to Vehicle. 25X1A
25X1A 25X1A	As was stated above, approximately people at have access to the Vehicle. Information available to Security Officer indicated that a Security file review should commence with LAC Quality Control Inspectors as they are normally the last persons to
	closely survey the area of interest. Furthermore, one
25X1A	of the Inspectors, LAC, is the one
X1A	individual at who has been described as a some-

25X1A -2670-63

Security with favor-

25X1A

25X1A

At the request of Deputy for Technology/OSA, the LAC personnel currently assigned to the night shift will be reviewed.

ard employees, personnel who are normally in close proxi-

mity to the Véhicle immediately prior to engine start, will be reviewed by Project Headquarters.

firemen,

what disgruntled employee and rabble rouser. The files of all LAC inspectors (fifteen in number) were reviewed

by Headquarters Security and able results on 2 May 1963.

The files of the

25X1A

25X1A

Approved For Release 2002/06/10 : STARTE 53-003134000500070094-7

25X1A

f. Possibility of use of TV cameras in hangar areas. The extensive area to be covered and the mobility required, in the opinion of, preclude the use of TV or other photo equipment. 25X1A 5. On 3 May 1963, a meeting was held at to explore all possible causes of FOD. In attendance were the
following:
Project Headquarters
25X1A Mr. John Parangosky
25X1A
25X1A
Burbank 25X1A
6. Detailed reporting of this meeting is available from Deputy for Technology. Considerable discussion was devoted to the use of screens on the engine by-pass doors and the use of flapper valves against reverse air flow. Both fixes represent possible solutions to FOD. The flapper valves should be available for installation in approximately two weeks.
a. Consideration was again given to the possibility of sabotage. Consequently, the following actions were decided upon: 25X1A
(1) will determine the identities of personnel who signed the grievance petition mentioned in paragraph 3c. above and submit the names to Project Headquarters for Office of Security file review.
(2) will determine the nature of the grievances and corrective action taken.

Approved For Release 2002/06/10 SECRET 63-00313A000500070094-7

		X1A 670–63
25X1	25X1A 25X1A will interview resigned reportedly because of disenchantment with LAC management policies	
	b. Every effort was made to determine patter the FOD; there are none. However, the following pertain to 90 percent of the FOD: (1) FOD occur ing ground run; (2) FOD occurs during military pabove; (3) FOD occurs after some modification of nacelle. The latter characteristic was proven history of Aircraft 121; and the history of Aircraft to limit the geographical area of concern	g factors rs dur- power or f the by the craft 121
25X1A		
25X1A 25X1A 25X1A 25X1A 25X1A	c. The most significant revelations at the meeting concerned the management, maintenance, a inspection policies and procedures currently utility LAC at	and ilized or of riel: aimously
25X1	(1) The Flight Test Program managed by regardless of personal competency, pursue a dictatorial personnel policy and often irritate hourly employees.	is 25X1A who,
	(2) Indications of frictions within LAC I neering-Supervisory groups and generally poo	
	(3) Contrary to Mr. Johnson's February statement that corrective action had been to employees work in generally dirty environment corrective action has been taken to sterilize clothing, even though mechanics are working delicate areas of the aircraft, e.g. nacelless.	aken, LAC nt. No ze workers' in most

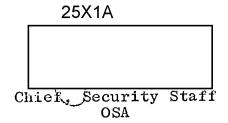
Approved For Release 2002/06/10 SECRET63-00313A000500070094-7

	25X1A
	pointed out that in normal aircraft production, many precautions are taken along these lines, e.g., "bunny suit coveralls."
	(4) There are no standardized procedures for maintenance or inspection; each aircraft seems to be handled differently.
	(5) Work in the Spike-Control Area is carclessly done. This is a prime area of concern and suspect cause of FOD. The record shows that aircraft 123 and 124 have had little or no FOD because they fly with the Spike locked; others fly with movable Spike.
	(6) Definite absence of close supervision of aircraft crews.
	(7) Definite lack of check list procedures during maintenance and inspection.
25X1A	25X1A 7. It is the opinion of that the FOD problem is predominantly one of basic housekeeping. Because of its persistent and recurrent characteristics, the possibility of sabotage cannot be dismissed and investigation will continue. However, the less than effective maintenance and inspection procedures on the part of LAC have been allowed to persist throughout the duration of FOD. The problem has been slightly alleviated, in degrees, by the screen modifications; further improvements, perhaps only partial, hopefully will
	result from the flapper valve mod25X1A
25X1A	Project Headquarters immediately insist on a review and correction of the LAC physical management of the Flight Test Property of the Coincident with continued intensive investigation

Approved For Release 2002/06/10 \$ 60 R5 63-003 24 000 5000 700 94-7

25X1A			
2670-63			
Page 8			

9. As you are aware action has been taken to implement this recommendation.



cc: Director of Security

25X1A

Distribution:

- Copy 1 DAD/OSA
 - 2 DD/R
 - 3 D/Sec
 - 4 AD/OSA
 - 5 D/TECH/OSA
 - 6 D/FA/OSA
 - 7 AFIGO-S
 - 8 O/DDCI
 - 9 SS/OSA
 - 10 RB/OSA
 - 11 PS/OSA

Approved For Release 2002/06/10 : CIA-RDP63-00313A000500070094-7

TOP SECRET

25X1A 2671-63
Copy /4 of /4

in the NEFA area.

Vietnam area.

7 May.

4 April

being used in Laos/North

Weather checked daily. Air-

craft out of commission until

RECAPITULATION OF AIR ACTIVITIES, WEEK ENDING 8 MAY 1963

APPROVED ACTION DATE BY VEHICLE DATE TARGET COUNTRY PROJECT IDEALIST/ TACKLE South China requiremel. China Mainland to Special Group 4 April 1. April U-23 Missions still firm due to failure of cover Szechwan GRC-147. Aircraft at came in commission Basin, Pao Tou, Missile Test Range May. and South China, as Subject to views of NPIC necessary. and [∏is awaiting 25X2 possible future targeting. COMOR does not recommend recoverage of the Missile Test Range at this time. present estimate is late June or July. The Szechwan Basin requires further study by COMOR. Weather in these areas was very poor during the period. No activity in this area dur-Sino/Indian Border Special Group 4 April U-2April 4 Missions ing the period due to lack of and May 25X1C

(See Manchuria mission on Approved For Release 7002/04/10) EAA-RDP63-00313A000500070092789 2)

Special Group

North Korea

1 Mission

U-2

May or

June

Approved For Release 2002/06/10 : CIA-RDP63-00313A000500070094-7 25X1A

TOP SEGRET

2671-63 Page 2

			MIDSON SOLUTION	APPROVED		1.000
PROJECT	VEHICLE	DATE	TARGET COUNTRY	BY	DATE	ACTION
IDEALIST/ TACKLE						
3 Missions*	U-2	April/ May	Laos/North Vietnam	Special Group	4 April	Mission 3221 completed 1 May 63. Mission 3222 completed 3 May 63. Mission 3223 alerted for launch on 3 May. Delayed daily thru 8 May due deterioration of weather.
1 Mission	U-2	May	Manchuria	Special Group	4 April	This mission planned to cover targets in North Korea and Manchuria. Mission GRC-150 approved for launch on 8 May 63, 2100Z.

^{*}Special Group approved on 2 May 1963 as many flights as necessary to secure adequate coverage of the North Vietnam area.

Approved For Release 2002/06/10: CIA-RDP63-00313A000500070094-7

TOP SECRET

25X1A 2671-63 Page 3

APPROVED

PROJECT

VEHICLE DATE TARGET COUNTRY

BY

DATE

ACTION

25X1A

No activity during period of this report.

rh (8 May 63)

DCI cc:

OSA/OD/CC

ER

DD/R

DD/P

DD/I

SA/DDR

DDP/SGO

Distribution:

#1 - DCI #2 - ER #3 - DD/R #4 - DD/P

#5 - DD/I

#6 - AD/OSA

#7 - DAD/OSA

#8 - C/OD/OSA

#9 - SA/DDR

#10 - INTEL/OSA

#11 - CC/OD/OSA

#12 - DDP/SGO

#13 - D/FA/OSA

#14 - RB/OSA